

Description of Roofing Problem: The gym roof is currently leaking due to the following reasons:

1. The built up asphalt roof is approximately 17 years old and has reached its life expectancy.
2. The roof is starting fracture and crack due to the extreme temperature changes; thermal shock due to the monsoon weather.
3. The fracturing and cracking will continue because the roof is no longer able to expand and contract with the extreme thermals of the monsoon
4. It is my recommendation to replace this roof ASAP to prevent any further damage to the interior.
5. The gym area has been closed off to ensure the health, safety, and welfare of VUHS students/staff.

Recommended solutions:

1. Repair current roofing problems on top of building via up to date methods or replace roofing system.
2. Replace shingle roofing on sides of building with metal roofing to eliminate future problems.

Estimated Costs:

Per a local roofer the cost he indicated varied extensively from \$75,000 to \$100,000 for the roof over the gymnasium. And depending on what was done on the sides; redo with shingles or metal ,a range of \$25,000 to \$50,000.